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| <p>93-232466/29 SHOVA DENKO KK 91.12.04 91JP-320720 (93.06.22) C08J 7/04, D01F 6/30, D06M 10/08, 13/513 (D06M 101:18)</p> <p>Surface modifying method with silane cpd. for polyolefin - involves introducing reactive functional gp. on polyolefin surface by corona discharge treatment and forming silane cpd. film, useful for reinforcing materials</p> <p>C93-103540</p> | <p>SHOW 91.12.04 * JP 05156054-A</p> <p>R² = 1-6C hydrocarbon gp. 1-6C acyl or hydrogen.</p> <p>USES/ADVANTAGES The silane coated polyolefin can be used for cement reinforcing material, because thin and uniform silane coating film with good adhesive property can be formed on the surface of the polyolefin.</p> | <p>EMBODIMENTS</p> <p>(b) Silane cpd. coating film is formed using the vapour of silane cpd. of formula (I). Solvent (b) has smaller surface tension than critical surface tension of polyolefin with functional gp. on the surface.</p> <p>(a) Introduction of reactive functional gp. is carried out by exposing the surface of polyolefin to oxygen contg. gas after electron beam irradiation. (7ppW57RBHDwgNo0/0).</p> <p>$R^1_n Si (OR^2)^{(4-n)}$</p> <p>(I)</p> <p>n = 0-2; R^1 = gp. selected from 1-6C hydrocarbon gp. or 1-6C organic gp. with substituent, e.g. amino, mercapto, epoxy, methacryloxy, alkoxy and/or halogen;</p> |
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